

17410 U.S. PTO
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Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the
Patent Application of:

Inventors: Terence J. Knowles

For: TORSIONAL ACOUSTIC WAVE SENSOR

Case Docket No. 14978US01

Enclosed are:

X 3 Sheets of drawing (informal)

X 15 Pages of specification, 12 pages of claims, and 1 page of Abstract.

X Declaration and Power of Attorney (Unsigned)

X The filing fee has been calculated as shown below, based on the assignee's status as a small entity.



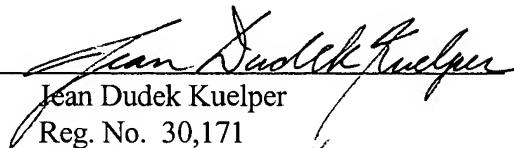
Fees:

Claims As Filed	Extra Claims	Rate Per Extra Claim	
Basic Fee			\$375.00
Total claims	64 - 20 = 44	x \$ 9.00	\$396.00
Indep. claims	18 - 3 = 15	x \$42.00	\$630.00
Multiple dependent claim presented (\$230 if any present)			\$
Total Filing Fee			\$1,401.00

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Account No. 13-0017.

A check in the amount of \$1,401.00 to cover the total fee is enclosed.

Respectfully submitted,

By: 
Jean Dudek Kuelper
Reg. No. 30,171

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